



POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
AND REVOCATION OF PRIOR POWERS

Honorable Commissioner of
Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As assignee of record of the entire right, title, and interest, the undersigned corporation hereby revokes all previous powers of attorney and appoints the attorneys and/or agents of Staas & Halsey LLP, under USPTO customer No. 21,171, to prosecute and transact all business in the U.S. Patent and Trademark Office for the following listed patent applications:

| DOCKET NO. | SERIAL NO. | FILING DATE | INVENTOR(S) | TITLE |
|------------|------------|-------------------|----------------------------|---|
| 1761.1001 | 09/944,589 | September 4, 2001 | Takayuki NORIMATSU | WHEEL BEARING ASSEMBLY |
| 1761.1002 | 09/993,715 | November 27, 2001 | Yoshihisa KUDO, et al. | WORKSHOP FACILITY DESIGN AND OPERATION SUPPORT SYSTEM ENABLING VERIFICATION OF THE ENTIRE WORKSHOP TO BE PERFORMED EASILY |
| 1761.1003 | 10/300,902 | November 21, 2002 | Kazuyoshi HARIMOTO, et al. | CONNECTING ROD AND BEARING-EQUIPPED CONNECTING ROD |
| 1761.1004 | 09/880,931 | June 15, 2001 | Yasuhiro GOTOU, et al. | MACHINE COMPONENT MONITORING, DIAGNOSING AND SELLING SYSTEM |
| 1761.1005 | 09/995,678 | November 29, 2001 | Takashi HOSOYA, et al. | CONSTANT VELOCITY UNIVERSAL JOINT |
| 1761.1006 | 10/387,563 | March 14, 2003 | Yoshio FUJIKAWA, et al. | BEARING ASSEMBLY EQUIPPED WITH ROTATION SENSOR CAPABLE OF DETECTING HOME-POSITION |
| 1761.1007 | 10/377,755 | March 4, 2003 | Kenichi IWAMOTO, et al. | BEARING ASSEMBLY WITH ELECTRIC POWER GENERATOR |
| 1761.1008 | 10/382,505 | March 7, 2003 | Masatoshi MIZUTANI, et al. | ROTATION DETECTING DEVICE AND WHEEL SUPPORT BEARING ASSEMBLY USING THE SAME |

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| 1761.1009 | 10/299,836 | November 20, 2002 | Katsufumi ABE | ROCKER ARM |
| 1761.1010 | 10/059,249 | January 31, 2002 | Masatoshi NIINA | SHELL TYPE ROLLER BEARING ASSEMBLY |
| 1761.1011 | 10/098,369 | March 18, 2002 | Yasuaki TAKAHASHI, et al. | CAGED ROLLER ASSEMBLY AND REDUCTION GEAR UNIT USING THE SAME |
| 1761.1012 | 10/634,762 | August 3, 2003 | Masahiko KATAOKA, et al. | ROCKER ARM |
| 1761.1013 | 10/382,656 | March 7, 2003 | Toru TAKAHASHI, et al. | ROTATION DETECTING DEVICE AND ANTI-SKID BRAKING SYSTEM USING THE SAME |
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| 1761.1015 | 10/090,752 | March 6, 2002 | Hisashi OHTSUKI, et al. | WHEEL SUPPORT BEARING ASSEMBLY |
| 1761.1016 | 09/972,949 | October 10, 2001 | Ryutaro OKA | BEARING ASSEMBLY WITH TEMPERATURE SENSOR |
| 1761.1017 | 10/321,553 | December 18, 2002 | Takashi KOIKE, et al. | SENSOR-EQUIPPED BEARING ASSEMBLY AND MOTOR USING THE SAME |
| 1761.1018 | 10/251,800 | September 23, 2002 | Tatsuo NAKAJIMA | MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME |
| 1761.1019 | 10/091,579 | March 7, 2002 | Koichi OKADA, et al. | WHEEL SUPPORT BEARING ASSEMBLY |
| 1761.1020 | 10/013,552 | December 13, 2001 | Takashi NOZAKI, et al. | WHEEL SUPPORT ASSEMBLY FOR TRANSMITTING A DRIVE FORCE FROM AN ELECTRIC MOTOR TO A WHEEL |
| 1761.1021 | 09/709,390 | November 13, 2000 | Hisashi OHTSUKI, et al. | WHEEL BEARING AND SEALING DEVICE THEREFOR |
| 1761.1021D | 10/607,198 | June 27, 2003 | Hisashi OHTSUKI, et al. | WHEEL BEARING AND SEALING DEVICE THEREFOR |
| 1761.1022 | 10/185,015 | July 1, 2002 | Kanji NAKAMURA, et al. | GRINDING SLUDGE COMPACTING MACHINE |
| 1761.1023 | 10/244,472 | September 17, 2002 | Takayuki NORIMATSU | MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME |
| 1761.1024 | 09/989,458 | November 21, 2001 | Isamu YOSHIDA, et al. | POWERED STEERING DEVICE AND BALL SCREW MECHANISM THEREFOR |

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| 1761.1025 | 09/835,390 | April 17, 2001 | Shoji ITOMI | ROTATIONAL ANGLE SENSOR ASSEMBLY |
| 1761.1026 | 10/621,404 | July 18, 2003 | Sadaji KATOGI, et al. | WHEEL SUPPORT BEARING ASSEMBLY |
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| 1761.1028 | 10/317,114 | December 12, 2002 | Koichi OKADA | VEHICLE MOUNTED BEARING ASSEMBLY |
| 1761.1029 | 09/838,340 | April 20, 2001 | Kanji NAKAMURA, et al. | RECYCLE OF GRINDING SLUDGE |
| 1761.1031 | 09/638,019 | August 15, 2000 | Hisashi OHTSUKI, et al. | SEALING DEVICE FOR A BEARING |
| 1761.1031D | 10/254,579 | September 26, 2002 | Hisashi OHTSUKI, et al. | SEALING DEVICE FOR A BEARING |
| 1761.1048 | 10/649,675 | August 28, 2003 | Katsafumi ABE | ROCKER ARM |
| 1761.1049 | 10/654,965 | September 5, 2003 | Hisashi OHTSUKI | WHEEL SUPPORT BEARING ASSEMBLY |

All correspondence and telephone communications should be directed to:

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 Telephone: (202) 434-1512
 Facsimile: (202) 434.1501

USPTO Customer No. 21171

ASSIGNEE CERTIFICATION

The undersigned assignee further states that the registered attorneys and/or agents, identified in the new power of attorney above, are empowered and authorized to sign the statement(s) and certification(s) under 37 C.F.R. §3.73(b) on behalf of the assignee. Attached to this power is/are "CERTIFICATE(S) UNDER 37 C.F.R. §3.73(b)".

NTN CORPORATION

Dated November 7, 2003

By:

President : Yasunobu SUZUKI

3-17, Kyomachibori 1-chome
 Nishi-ku, Osaka-shi, Osaka 550-0003
 JAPAN



STATEMENT AND CERTIFICATION UNDER 37 C.F.R. §3.73(b)

Honorable Commissioner of
Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This statement hereby certifies that the below-listed patent applications are owned and continue to be owned by the Assignee, NTN CORPORATION, by way of Inventor Assignments identified below:

| DOCKET No. | SERIAL NO. | FILING DATE | INVENTOR(S) | TITLE | ASSIGNMENT RECORDATION DATE | REEL/FRAME |
|------------|------------|-------------------|----------------------------|---|-----------------------------|-------------|
| 1761.1001 | 09/944,589 | September 4, 2001 | Takayuki NORIMATSU | WHEEL BEARING ASSEMBLY | September 4, 2001 | 012151/0427 |
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| 1761.1003 | 10/300,902 | November 21, 2002 | Kazuyoshi HARIMOTO, et al. | CONNECTING ROD AND BEARING-EQUIPPED CONNECTING ROD | November 21, 2002 | 013515/0851 |
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| 1761.1005 | 09/995,678 | November 29, 2001 | Takashi HOSOYA, et al. | CONSTANT VELOCITY UNIVERSAL JOINT | November 29, 2001 | 012329/0927 |
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| 1761.1007 | 10/377,755 | March 4, 2003 | Kenichi IWAMOTO, et al. | BEARING ASSEMBLY WITH ELECTRIC POWER GENERATOR | March 4, 2003 | 013837/0239 |
| 1761.1008 | 10/382,505 | March 7, 2003 | Masatoshi MIZUTANI, et al. | ROTATION DETECTING DEVICE AND WHEEL SUPPORT BEARING ASSEMBLY USING THE SAME | N/A | N/A |
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| 1761.1010 | 10/059,249 | January 31, 2002 | Masatoshi NIINA | SHELL TYPE ROLLER BEARING ASSEMBLY | January 31, 2002 | 012555/0324 |

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| 1761.1012 | 10/634,762 | August 3, 2003 | Masahiko KATAOKA, et al. | ROCKER ARM | N/A | N/A |
| 1761.1013 | 10/382,656 | March 7, 2003 | Toru TAKAHASHI, et al. | ROTATION DETECTING DEVICE AND ANTI-SKID BRAKING SYSTEM USING THE SAME | March 7, 2003 | 013864/0240 |
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| 1761.1031 | 09/638,019 | August 15, 2000 | Hisashi OHTSUKI, et al. | SEALING DEVICE FOR A BEARING | August 14, 2000 | 011042/0507 |
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| 1761.1049 | 10/654,965 | September 5, 2003 | Hisashi OHTSUKI | WHEEL SUPPORT BEARING ASSEMBLY | | |

If there are any fees associated with the filing of this Statement and Certification, please charge and/or credit the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

By: David M. Pitcher Reg. 28,607
 David M. Pitcher
 Registration No. 25,908

Date: November 19, 2003

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Resubmission of Power of Attorney and Revocation of Prior Powers (1 page); Copy of Statement and Certification Under 37 C.F.R. §3.73(b) (3 pages X 33 applications); Copy of Power of Attorney by Assignee of Entire Interest and Revocation of Prior Powers (3 pages X 33 applications)

APPLICANT(S): NTN CORPORATION

TITLE: POWER OF ATTORNEY AND REVOCATION OF PRIOR POWERS

FILING DATE: November 19, 2003

DOCKET NO: 1761.0001/DMP:sbh

DUE DATE: ASAP



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Power of Attorney by Assignee of Entire Interest and Revocation of Prior Powers (3 pages)
and Statement and Certification 37 C.F.R. §3.73(b) (3 pages)

ASSIGNEE: NTN CORPORATION

ATTORNEY OF RECORD STAAS & HALSEY LLP

DOCKET NO.: 1761.0001/DMP:sbh

DUE DATE: N/A



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